

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-115490-1

Client Project/Site: Gold King Mine - Region 8

For:

Weston Solutions, Inc. 1435 Garrison Street Suite 100 Lakewood, Colorado 80215

Attn: Moira Pryhoda

Authorized for release by: 8/13/2015 5:44:14 PM

Sheila Hoffman, Project Manager II (912)354-7858 e.3004

hele Hoffman

sheila.hoffman@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

//

ŗ.

7

8

Method Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL SAV
2340B-2011	Total Hardness (as CaCO3) by calculation	SM	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

TestAmerica Job ID: 680-115490-1

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 8

l -b 0	Olicut Committe ID	\$6_A	O-Braded Descined
Lab Sample ID	Client Sample ID	Matrix	Collected Received
680-115490-1	GKMTW41_081115	Water	08/11/15 09:40 08/12/15 09:4
680-115490-2	GKMTW42_081115	Water	08/11/15 10:45 08/12/15 09:4
680-115490-3	GKMTW43_081115	Water	08/11/15 11:35 08/12/15 09:4
680-115490-4	GKMTW44_081115	Water	08/11/15 12:30 08/12/15 09:4
680-115490-5	GKMTW45_081115	Water	08/11/15 12:40 08/12/15 09:4
680-115490-6	GKMTW100_081115	Water	08/11/15 09:15 08/12/15 09:4
680-115490-7	GKMTW101_081115	Water	08/11/15 09:55 08/12/15 09:4
680-115490-8	GKMTW102 081115	Water	08/11/15 11:05 08/12/15 09:4

Definitions/Glossary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

|--|

Metals	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
L	A negative instrument reading had an absolute value greater than the reporting limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
В	Compound was found in the blank and sample.
۸	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Job ID: 680-115490-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 8

Report Number: 680-115490-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 08/12/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

TOTAL METALS (ICP)

Samples GKMTW41_081115 (680-115490-1), GKMTW42_081115 (680-115490-2), GKMTW43_081115 (680-115490-3), GKMTW44_081115 (680-115490-4), GKMTW45_081115 (680-115490-5), GKMTW100_081115 (680-115490-6), GKMTW101_081115 (680-115490-7) and GKMTW102_081115 (680-115490-8) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 08/12/2015 and analyzed on 08/13/2015.

Sodium failed the recovery criteria low for the MS of sample GKMTW42 081115MS (680-115490-2) in batch 680-395943.

Sodium failed the recovery criteria low for the MSD of sample GKMTW42 081115MSD (680-115490-2) in batch 680-395943.

Refer to the QC report for details.

Samples GKMTW42_081115 (680-115490-2)[10X], GKMTW43_081115 (680-115490-3)[10X], GKMTW44_081115 (680-115490-4)[10X], GKMTW100_081115 (680-115490-6)[10X] and GKMTW101_081115 (680-115490-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples GKMTW41_081115 (680-115490-1), GKMTW42_081115 (680-115490-2), GKMTW43_081115 (680-115490-3), GKMTW44_081115 (680-115490-4), GKMTW45_081115 (680-115490-5), GKMTW100_081115 (680-115490-6), GKMTW101_081115 (680-115490-7) and GKMTW102_081115 (680-115490-8) were analyzed for total metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 08/12/2015 and analyzed on 08/13/2015.

Selenium was detected in method blank MB 680-395745/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Selenium was detected in method blank MB 680-395749/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Selenium was detected in method blank MB 680-395798/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Job ID: 680-115490-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples GKMTW41_081115 (680-115490-1), GKMTW42_081115 (680-115490-2), GKMTW43_081115 (680-115490-3), GKMTW44_081115 (680-115490-4), GKMTW45_081115 (680-115490-5), GKMTW100_081115 (680-115490-6), GKMTW101_081115 (680-115490-7) and GKMTW102_081115 (680-115490-8) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 08/12/2015 and analyzed on 08/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL HARDNESS (AS CACO3) BY CALCULATION

Samples GKMTW41_081115 (680-115490-1), GKMTW42_081115 (680-115490-2), GKMTW43_081115 (680-115490-3), GKMTW44_081115 (680-115490-4), GKMTW45_081115 (680-115490-5), GKMTW100_081115 (680-115490-6), GKMTW101_081115 (680-115490-7) and GKMTW102_081115 (680-115490-8) were analyzed for total hardness (as CaCO3) by calculation in accordance with SM 2340B. The samples were analyzed on 08/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TestAmerica Savannah

TestAmerica Job ID: 680-115490-1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Method: 200.7 Rev 4.4 - Metals (ICP)

TestAmerica Job ID: 680-115490-1

Analyzed

Dil Fac

Client Sample ID: GKMTW41_081115 Lab Sample ID: 680-115490-1

RL

200

MDL Unit

24 ug/L

D

Prepared

08/12/15 15:12 08/13/15 09:31

Date Collected: 08/11/15 09:40 East Sample 15: 060 110400 Matrix: Water

Result Qualifier

24 U

Date Received: 08/12/15 09:46

Analyte

Aluminum

Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 18:23	08/13/15 09:19	1
Method: 245.1 - Merc Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
iotai Hardness	620		ა.ა	3.3	IIIg/L			00/13/13 12:18	1
Total Hardness	620 Result	Quanner	3.3		mg/L		riepaieu	08/13/15 12:18	DII FAC
Method: 2340B-2011 Analyte		CaCO3) by	calculation RL	ים	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	2.3		1.0	0.45	ug/L		08/12/15 15:12	08/13/15 12:38	1
Zinc	5.5	J	20		ug/L			08/13/15 12:38	1
Vanadium	0.30		1.0	0.30	-			08/13/15 12:38	1
Thallium	0.10	_	0.20	0.10	-			08/13/15 12:38	1
Silver	0.10		1.0	0.10	-			08/13/15 12:38	1
Selenium	2.0	_	2.0	0.58				08/13/15 12:38	1
Nickel	3.5		1.0	0.40	-			08/13/15 12:38	1
Manganese	1.2	U	2.5		ug/L			08/13/15 12:38	1
Lead	0.060		0.30	0.060	-			08/13/15 12:38	1
Copper	22		1.0	0.50	-			08/13/15 12:38	1
Cobalt	0.24	J	0.40	0.12	_			08/13/15 12:38	1
Chromium	1.0		2.0		ug/L			08/13/15 12:38	1
Cadmium	0.043		0.10	0.043	-			08/13/15 12:38	1
Beryllium	0.15		0.40	0.15	-			08/13/15 12:38	1
Barium	16		2.0		ug/L			08/13/15 12:38	1
Arsenic	0.37	UL	1.0		ug/L		08/12/15 15:12		1
Antimony	0.40	_	1.0	0.40			08/12/15 15:12		1
Method: 200.8 - Meta Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Sodium	9900		1000	480	ug/L		08/12/15 15:12	08/13/15 09:31	1
Potassium	1900		1000	17	ug/L			08/13/15 09:31	1
Magnesium	29000		500		ug/L			08/13/15 09:31	1
Iron	17	U	50		ug/L		08/12/15 15:12		1
	4-			4-7			00/40/45 45 40	00410415.00.04	

Client Sample ID: GKMTW42_081115 Lab Sample ID: 680-115490-2

Date Collected: 08/11/15 10:45 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	140	J	200	24	ug/L		08/12/15 15:12	08/13/15 08:46	1
Calcium	4000		500	25	ug/L		08/12/15 15:12	08/13/15 08:46	1
Iron	66		50	17	ug/L		08/12/15 15:12	08/13/15 08:46	1
Magnesium	110	J	500	33	ug/L		08/12/15 15:12	08/13/15 08:46	1
Potassium	1700		1000	17	ug/L		08/12/15 15:12	08/13/15 08:46	1
Sodium	120000		10000	4800	ug/L		08/12/15 15:12	08/13/15 11:06	10

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Client Sample ID: GKMTW42_081115 Lab Sample ID: 680-115490-2 Date Collected: 08/11/15 10:45 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 10:58	1
Arsenic	8.5		1.0	0.37	ug/L		08/12/15 15:12	08/13/15 10:58	1
Barium	35		2.0	0.14	ug/L		08/12/15 15:12	08/13/15 10:58	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:12	08/13/15 10:58	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 15:12	08/13/15 10:58	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:12	08/13/15 10:58	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 15:12	08/13/15 10:58	1
Copper	6.8		1.0	0.50	ug/L		08/12/15 15:12	08/13/15 10:58	1
Lead	0.22	J	0.30	0.060	ug/L		08/12/15 15:12	08/13/15 10:58	1
Manganese	1.8	J	2.5	1.2	ug/L		08/12/15 15:12	08/13/15 10:58	1
Nickel	0.43	J	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 10:58	1
Selenium	1.0	JB	2.0	0.58	ug/L		08/12/15 15:12	08/13/15 10:58	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:12	08/13/15 10:58	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:12	08/13/15 10:58	1
Vanadium	8.1		1.0	0.30	ug/L		08/12/15 15:12	08/13/15 10:58	1
Zinc	3.0	J	20	2.8	ug/L		08/12/15 15:12	08/13/15 10:58	1
Molybdenum	19		1.0	0.45	ug/L		08/12/15 15:12	08/13/15 10:58	1
_ Method: 2340B-2011 - Total Hard	ness (as	CaCO3) by	calculation						

Method: 2340B-2011 - Total Ha	irdness (as CaCO3) by d	alculation					
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	11	3.3	3.3 mg/L			08/13/15 12:18	1

Method: 245.1 - Mercury (CVA	١)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ua/L		08/12/15 18:23	08/13/15 09:00	

Client Sample ID: GKMTW43_081115

Date Received: 08/12/15 09:46

Lab Sample ID: 680-115490-3 Date Collected: 08/11/15 11:35 Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/12/15 15:04	08/13/15 05:50	1
Calcium	13000		500	25	ug/L		08/12/15 15:04	08/13/15 05:50	1
Iron	17	U	50	17	ug/L		08/12/15 15:04	08/13/15 05:50	1
Magnesium	130	J	500	33	ug/L		08/12/15 15:04	08/13/15 05:50	1
Potassium	640	J	1000	17	ug/L		08/12/15 15:04	08/13/15 05:50	1
Sodium	230000		10000	4800	ug/L		08/12/15 15:04	08/13/15 10:43	10

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U –	1.0	0.40	ug/L		08/12/15 15:04	08/13/15 02:29	1
Arsenic	0.87	J	1.0	0.37	ug/L		08/12/15 15:04	08/13/15 02:29	1
Barium	32		2.0	0.14	ug/L		08/12/15 15:04	08/13/15 02:29	1
Beryllium	0.15 U	U	0.40	0.15	ug/L		08/12/15 15:04	08/13/15 02:29	1
Cadmium	0.043 (U	0.10	0.043	ug/L		08/12/15 15:04	08/13/15 02:29	1
Chromium	1.0 \	U	2.0	1.0	ug/L		08/12/15 15:04	08/13/15 02:29	1
Cobalt	0.12 \	U	0.40	0.12	ug/L		08/12/15 15:04	08/13/15 02:29	1
Copper	5.1		1.0	0.50	ug/L		08/12/15 15:04	08/13/15 02:29	1
Lead	0.14 、	J	0.30	0.060	ug/L		08/12/15 15:04	08/13/15 02:29	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Client Sample ID: GKMTW43_081115 Lab Sample ID: 680-115490-3

Date Collected: 08/11/15 11:35 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	19		2.5	1.2	ug/L		08/12/15 15:04	08/13/15 02:29	1
Nickel	0.40	U	1.0	0.40	ug/L		08/12/15 15:04	08/13/15 02:29	1
Selenium	1.3	JB	2.0	0.58	ug/L		08/12/15 15:04	08/13/15 02:29	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:04	08/13/15 02:29	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:04	08/13/15 02:29	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:04	08/13/15 02:29	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 15:04	08/13/15 02:29	1
Molybdenum	2.3		1.0	0.45	ug/L		08/12/15 15:04	08/13/15 02:29	1

Method: 2340B-2011 - Total Ha	ardness (as CaCO3)	by calculation					
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	33	3.3	3.3 mg/L			08/13/15 12:18	1

Method: 245.1 - Mercury (CVAA) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 18:16	08/13/15 13:00	1

Client Sample ID: GKMTW44_081115

Lab Sample ID: 680-115490-4 Date Collected: 08/11/15 12:30 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/12/15 15:12	08/13/15 09:22	1
Calcium	5200		500	25	ug/L		08/12/15 15:12	08/13/15 09:22	1
Iron	17	U	50	17	ug/L		08/12/15 15:12	08/13/15 09:22	1
Magnesium	290	J	500	33	ug/L		08/12/15 15:12	08/13/15 09:22	1
Potassium	350	J	1000	17	ug/L		08/12/15 15:12	08/13/15 09:22	1
Sodium	140000		10000	4800	ug/L		08/12/15 15:12	08/13/15 11:29	10

	1 10000				9/ -				
Method: 200.8 - Metals	1 7	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40		1.0		ug/L	— <u> </u>	08/12/15 15:12	08/13/15 11:29	1
Arsenic	3.4		1.0	0.37	ug/L		08/12/15 15:12	08/13/15 11:29	1
Barium	45		2.0	0.14	ug/L		08/12/15 15:12	08/13/15 11:29	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:12	08/13/15 11:29	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 15:12	08/13/15 11:29	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:12	08/13/15 11:29	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 15:12	08/13/15 11:29	1
Copper	4.4		1.0	0.50	ug/L		08/12/15 15:12	08/13/15 11:29	1
Lead	0.060	U	0.30	0.060	ug/L		08/12/15 15:12	08/13/15 11:29	1
Manganese	5.5		2.5	1.2	ug/L		08/12/15 15:12	08/13/15 11:29	1
Nickel	0.41	J	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 11:29	1
Selenium	1.2	JB	2.0	0.58	ug/L		08/12/15 15:12	08/13/15 11:29	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:12	08/13/15 11:29	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:12	08/13/15 11:29	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:12	08/13/15 11:29	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 15:12	08/13/15 11:29	1
Molybdenum	4.1		1.0	0.45	ug/L		08/12/15 15:12	08/13/15 11:29	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Client Sample ID: GKMTW44_081115 Lab Sample ID: 680-115490-4 Date Collected: 08/11/15 12:30 Matrix: Water

Date Received: 08/12/15 09:46

Method: 2340B-2011 - To Analyte	•	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	14		3.3	3.3	mg/L			08/13/15 12:18	1
Method: 245.1 - Mercury	(CVAA)								
Analyte	,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 18:23	08/13/15 09:13	1

Client Sample ID: GKN Date Collected: 08/11/15 12 Date Received: 08/12/15 09	:40		Lab Sample ID: 680-115490 Matrix: Wa						
Method: 200.7 Rev 4.4 - M Analyte	etals (ICP)	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U -	200	24	ug/L		08/12/15 15:04	08/13/15 05:55	1
Calcium	77000		500	25	ug/L		08/12/15 15:04	08/13/15 05:55	1
Iron	17	U	50	17	ug/L		08/12/15 15:04	08/13/15 05:55	1
Magnesium	48000		500	33	ug/L		08/12/15 15:04	08/13/15 05:55	1
Potassium	2300		1000	17	ug/L		08/12/15 15:04	08/13/15 05:55	1
Sodium	26000		1000	480	ug/L		08/12/15 15:04	08/13/15 05:55	1
Method: 200.8 - Metals (IC									
Analyte		Qualifier	RL _	MDL		D	Prepared	Analyzed	Dil Fac
Antimony	0.40	_	1.0		ug/L		08/12/15 15:04		1
Arsenic	0.37	U	1.0	0.37	-		08/12/15 15:04	08/13/15 02:32	1
Barium	100		2.0		ug/L		08/12/15 15:04	08/13/15 02:32	1
Beryllium	0.15		0.40		ug/L		08/12/15 15:04		1
Cadmium	0.043	U	0.10	0.043	-		08/12/15 15:04	08/13/15 02:32	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:04	08/13/15 02:32	1
Cobalt	0.12	J	0.40	0.12	ug/L		08/12/15 15:04	08/13/15 02:32	1
Copper	1.6		1.0	0.50	ug/L		08/12/15 15:04	08/13/15 02:32	1
Lead	0.082	J	0.30	0.060	ug/L		08/12/15 15:04	08/13/15 02:32	1
Manganese	3.7		2.5	1.2	ug/L		08/12/15 15:04	08/13/15 02:32	1
Nickel	0.89	J	1.0	0.40	ug/L		08/12/15 15:04	08/13/15 02:32	1
Selenium	1.2	JB	2.0	0.58	ug/L		08/12/15 15:04	08/13/15 02:32	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:04	08/13/15 02:32	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:04	08/13/15 02:32	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:04	08/13/15 02:32	1
Zinc	4.6	J	20	2.8	ug/L		08/12/15 15:04	08/13/15 02:32	1
Molybdenum	1.7		1.0	0.45	ua/L		08/12/15 15:04	08/13/15 02:32	1

Method: 2340B-2011 - Total Hardn	ess (as	CaCO3) by	calculation						
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	390		3.3	3.3	mg/L			08/13/15 12:18	1
Method: 245.1 - Mercury (CVAA) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.20

0.080 ug/L

0.080 U

TestAmerica Savannah

08/12/15 18:16 08/13/15 13:03

Mercury

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Client Sample ID: GKMTW100_081115

Date Collected: 08/11/15 09:15

Lab Sample ID: 680-115490-6

Matrix: Water

Date Received: 08/12/15 09:46

Analyte	s (ICP)	OEF	F .		11	_	D	A 1	D:: -
		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Aluminum	34	J	200		ug/L		08/12/15 17:44		
Calcium	9100		500		ug/L			08/13/15 08:28	
Iron	27		50		ug/L			08/13/15 08:28	
Magnesium	140	J	500		ug/L			08/13/15 08:28	
Potassium	680	J	1000		ug/L		08/12/15 17:44	08/13/15 08:28	
Sodium	160000		10000	4800	ug/L		08/12/15 17:44	08/13/15 10:54	1
Method: 200.8 - Metals (ICP/MS	S)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 17:45	08/13/15 10:09	
Arsenic	37		1.0	0.37	ug/L		08/12/15 17:45	08/13/15 10:09	
Barium	30		2.0	0.14	ug/L		08/12/15 17:45	08/13/15 10:09	
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 17:45	08/13/15 10:09	
Cadmium	0.043	UL	0.10	0.043	ug/L		08/12/15 17:45	08/13/15 10:09	
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 17:45	08/13/15 10:09	
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 17:45	08/13/15 10:09	
Copper	13		1.0	0.50	ug/L		08/12/15 17:45	08/13/15 10:09	
Lead	0.30		0.30	0.060	ug/L		08/12/15 17:45	08/13/15 10:09	
Manganese	3.5		2.5	1.2	ug/L		08/12/15 17:45	08/13/15 10:09	
Nickel	0.61	J	1.0	0.40	-		08/12/15 17:45	08/13/15 10:09	
Selenium	4.8		2.0	0.58	-		08/12/15 17:45	08/13/15 10:09	
Silver	0.10		1.0	0.10	-		08/12/15 17:45	08/13/15 10:09	
Thallium	0.10		0.20	0.10	=			08/13/15 10:09	
Vanadium	0.30		1.0	0.30	_			08/13/15 10:09	
Zinc	7.2		20		ug/L			08/13/15 10:09	
Molybdenum	78	•	1.0	0.45	-			08/13/15 10:09	
: Method: 2340B-2011 - Total Ha	ardness (as	CaCO3) by	calculation						
Analyte		Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total Hardness	23		3.3		mg/L			08/13/15 12:13	
Method: 245.1 - Mercury (CVA	A)								
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte					B		08/12/15 18:23	08/13/15 09:41	
Mercury Mercury	0.080	U	0.20	0.080	ug/L		00/12/13 10.23	00/10/10 00.41	
-			0.20	0.080	ug/L	La			
-			0.20	0.080	ug/L	Lá		ID: 680-115	5490-
Mercury Client Sample ID: GKMTW Date Collected: 08/11/15 09:55			0.20	0.080	ug/L	La		ID: 680-115	5490-
Mercury Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals	7101_0811	115					ab Sample	ID: 680-115 Matrix	5490- : Wate
Mercury Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte	/101_0811 s (ICP) Result	15 Qualifier	RL	MDL	Unit	La	ab Sample Prepared	ID: 680-115 Matrix Analyzed	5490-
Mercury Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum	7101_0811 (ICP) Result 120	15 Qualifier	RL 200	MDL 24	Unit		Prepared 08/12/15 15:12	Analyzed 08/13/15 09:00	5490- : Wate
Mercury Client Sample ID: GKMTW Pate Collected: 08/11/15 09:55 Pate Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte	(ICP) Result 120 61000	Qualifier	RL 200 500	MDL 24 25	Unit ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00	5490- : Wate
Client Sample ID: GKMTW Pate Collected: 08/11/15 09:55 Pate Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum Calcium	(ICP) Result 120 61000 17	Qualifier	RL 200 500 50	MDL 24 25 17	Unit ug/L ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00	5490- : Wate
Client Sample ID: GKMTW Pate Collected: 08/11/15 09:55 Pate Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum Calcium	(ICP) Result 120 61000	Qualifier	RL 200 500	MDL 24 25 17	Unit ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00	: Wate
Client Sample ID: GKMTW Pate Collected: 08/11/15 09:55 Pate Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum Calcium Iron Magnesium	(ICP) Result 120 61000 17	Qualifier	RL 200 500 50	MDL 24 25 17 33	Unit ug/L ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00	: Wate
Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum Calcium Iron Magnesium Potassium	(ICP) Result 120 61000 17 8900	Qualifier	RL 200 500 50 50	MDL 24 25 17 33	Unit ug/L ug/L ug/L ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00	Dil Fa
Mercury Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum	(ICP) Result 120 61000 17 8900 2200 150000	Qualifier	RL 200 500 50 50 500 1000	MDL 24 25 17 33 17	Unit ug/L ug/L ug/L ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00	5490- : Wate
Client Sample ID: GKMTW Date Collected: 08/11/15 09:55 Date Received: 08/12/15 09:46 Method: 200.7 Rev 4.4 - Metals Analyte Aluminum Calcium Iron Magnesium Potassium Sodium	(ICP) Result 120 61000 17 8900 2200 150000	Qualifier	RL 200 500 50 50 500 1000	MDL 24 25 17 33 17	Unit ug/L ug/L ug/L ug/L ug/L		Prepared 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12 08/12/15 15:12	Analyzed 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00 08/13/15 09:00	5490- : Wate

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Client Sample ID: GKMTW101_081115 Lab Sample ID: 680-115490-7 Date Collected: 08/11/15 09:55 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.62	J	1.0	0.37	ug/L		08/12/15 15:12	08/13/15 11:25	1
Barium	39		2.0	0.14	ug/L		08/12/15 15:12	08/13/15 11:25	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:12	08/13/15 11:25	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 15:12	08/13/15 11:25	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:12	08/13/15 11:25	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 15:12	08/13/15 11:25	1
Copper	22		1.0	0.50	ug/L		08/12/15 15:12	08/13/15 11:25	1
Lead	1.8		0.30	0.060	ug/L		08/12/15 15:12	08/13/15 11:25	1
Manganese	1.4	J	2.5	1.2	ug/L		08/12/15 15:12	08/13/15 11:25	1
Nickel	16		1.0	0.40	ug/L		08/12/15 15:12	08/13/15 11:25	1
Selenium	19	В	2.0	0.58	ug/L		08/12/15 15:12	08/13/15 11:25	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:12	08/13/15 11:25	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:12	08/13/15 11:25	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:12	08/13/15 11:25	1
Zinc	14	J	20	2.8	ug/L		08/12/15 15:12	08/13/15 11:25	1
Molybdenum	11		1.0	0.45	ug/L		08/12/15 15:12	08/13/15 11:25	1
Method: 2340B-2011 - To	otal Hardness (as	CaCO3) by	calculation						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L			08/13/15 12:18	1
Method: 245.1 - Mercury	(CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		08/12/15 18:23	08/13/15 09:03	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Client Sample ID: GKMTW102_081115	Lab Sample ID: 680-115490-8
Date Collected: 08/11/15 11:05	Matrix: Water
Date Received: 08/12/15 09:46	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2500		200	24	ug/L		08/12/15 15:12	08/13/15 09:27	1
Calcium	41000		500	25	ug/L		08/12/15 15:12	08/13/15 09:27	1
Iron	1800		50	17	ug/L		08/12/15 15:12	08/13/15 09:27	1
Magnesium	4600		500	33	ug/L		08/12/15 15:12	08/13/15 09:27	1
Potassium	2200		1000	17	ug/L		08/12/15 15:12	08/13/15 09:27	1
Sodium	52000		1000	480	ug/L		08/12/15 15:12	08/13/15 09:27	1
Method: 200.8 - Metals (IC	P/MS)								
Analyte	,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 12:33	1
Arsenic	0.37	U	1.0	0.37	ug/L		08/12/15 15:12	08/13/15 12:33	1
Barium	72		2.0	0.14	ug/L		08/12/15 15:12	08/13/15 12:33	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:12	08/13/15 12:33	1
Cadmium	0.11		0.10	0.043	ug/L		08/12/15 15:12	08/13/15 12:33	1
Chromium	1.9	J	2.0	1.0	ug/L		08/12/15 15:12	08/13/15 12:33	1
Cobalt	0.69		0.40	0.12	ug/L		08/12/15 15:12	08/13/15 12:33	1
Copper	28		1.0	0.50	ug/L		08/12/15 15:12	08/13/15 12:33	1
Lead	20		0.30	0.060	ug/L		08/12/15 15:12	08/13/15 12:33	1
Manganese	76		2.5	1.2	ug/L		08/12/15 15:12	08/13/15 12:33	1

TestAmerica Savannah

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Date Collected: 08/11/15 11:05 Matrix: Water

Date Received: 08/12/15 09:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.3		1.0	0.40	ug/L		08/12/15 15:12	08/13/15 12:33	1
Selenium	2.2	В	2.0	0.58	ug/L		08/12/15 15:12	08/13/15 12:33	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:12	08/13/15 12:33	1
Thallium	0.10	U ^	0.20	0.10	ug/L		08/12/15 15:12	08/13/15 12:33	1
Vanadium	3.4		1.0	0.30	ug/L		08/12/15 15:12	08/13/15 12:33	1
Zinc	250		20	2.8	ug/L		08/12/15 15:12	08/13/15 12:33	1
Molybdenum	0.91	J	1.0	0.45	ug/L		08/12/15 15:12	08/13/15 12:33	1
Method: 2340B-2011 - To	tal Hardness (as	CaCO3) by	calculation						
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	120		3.3	3.3	mg/L			08/13/15 12:18	1
Method: 245.1 - Mercury	(CVAA)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

QC Sample Results

Client: Weston Solutions. Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Lab Sample ID: MB 680-395747/1-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA Analysis Batch: 395943 Prep Batch: 395747

	MB	MB						-	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		08/12/15 15:04	08/13/15 03:22	1
Calcium	25	U	500	25	ug/L		08/12/15 15:04	08/13/15 03:22	1
Iron	17	U	50	17	ug/L		08/12/15 15:04	08/13/15 03:22	1
Magnesium	33	U	500	33	ug/L		08/12/15 15:04	08/13/15 03:22	1
Potassium	17	U	1000	17	ug/L		08/12/15 15:04	08/13/15 03:22	1
Sodium	480	U	1000	480	ug/L		08/12/15 15:04	08/13/15 03:22	1

Lab Sample ID: LCS 680-395747/2-A Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA Analysis Batch: 395943 Prep Batch: 395747

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aluminum	2000	1980		ug/L		99	85 - 115	
Calcium	2000	2070		ug/L		103	85 - 115	
Iron	2000	2020		ug/L		101	85 - 115	
Magnesium	2000	2030		ug/L		102	85 - 115	
Potassium	2000	2140		ug/L		107	85 - 115	
Sodium	2000	1860		ug/L		93	85 - 115	

Lab Sample ID: MB 680-395752/1-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 395943

140 J

Prep Type: Total/NA Prep Batch: 395752

MB MB Result Qualifier MDL Unit **Analyte** RL Prepared Analyzed Dil Fac Aluminum 24 U 200 24 ug/L 08/12/15 15:12 08/13/15 08:32 Calcium 25 U 500 08/12/15 15:12 08/13/15 08:32 25 ug/L Iron 17 U 50 17 ug/L 08/12/15 15:12 08/13/15 08:32 500 Magnesium 33 U 33 ug/L 08/12/15 15:12 08/13/15 08:32 1000 Potassium 17 U 17 ug/L 08/12/15 15:12 08/13/15 08:32 Sodium 480 U 1000 480 ug/L 08/12/15 15:12 08/13/15 08:32

Lab Sample ID: LCS 680-395752/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Ratch: 3959/3 Pren Ratch: 395752

Analysis Batch: 393943	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Aluminum	2000	2040		ug/L		102	85 - 115
Calcium	2000	2150		ug/L		107	85 - 115
Iron	2000	2080		ug/L		104	85 - 115
Magnesium	2000	2080		ug/L		104	85 - 115
Potassium	2000	2170		ug/L		109	85 - 115
Sodium	2000	1950		ug/L		97	85 - 115

Lab Sample ID: 680-115490-2 MS Client Sample ID: GKMTW42_081115 Prep Type: Total/NA Matrix: Water Prep Batch: 395752 Analysis Batch: 395943 Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

2230

ug/L

2000

TestAmerica Savannah

75 - 125

104

Aluminum

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-115490)-2 MS								C	lient	Sa	ample ID			
Matrix: Water													Prep Ty	•	
Analysis Batch: 395943	Sample	San	ania	Spike		MC	MS						Prep Ba	atch: 3	9010£
Analyte	Result			Added		Result		lifier	Unit		D	%Rec	Limits		
Calcium	4000	Que		2000		6160	-		ug/L		_	106	75 ₋ 125		
Iron	66			2000		2140			ug/L			104	75 - 125		
Magnesium	110	ď		2000		2190			ug/L			104	75 - 125		
Potassium	1700			2000		4130			ug/L			122	75 - 125		
_ Lab Sample ID: 680-115490)-2 MS								С	lient	Sa	ample ID	: GKMT	N42_0	81115
Matrix: Water													Prep Ty		
Analysis Batch: 395943													Prep Ba	atch: 3	95752
	Sample	San	nple	Spike		MS	MS						%Rec.		
Analyte	Result	Qua	alifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Sodium	120000			2000		122000	4		ug/L		_	-50	75 - 125		
Lab Sample ID: 680-115490)-2 MSD								C	lient	Sa	ample ID	: GKMT	N42_0	8111
Matrix: Water													Prep Ty	pe: Tot	tal/N/
Analysis Batch: 395943													Prep Ba	atch: 3	9575
	Sample	San	nple	Spike		MSD	MSI)					%Rec.		RPI
Analyte	Result	Qua	alifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Lim
Aluminum	140	J		2000		2200			ug/L		_	103	75 - 125	1	2
Calcium	4000			2000		6090			ug/L			102	75 - 125	1	2
Iron	66			2000		2110			ug/L			102	75 - 125	1	2
Magnesium	110	J		2000		2150			ug/L			102	75 - 125	2	2
Potassium	1700			2000		4080			ug/L			120	75 - 125	1	2
Lab Sample ID: 680-115490)-2 MSD								C	lient	Sa	ample ID	: GKMT	N42_0	8111
Matrix: Water													Prep Ty	pe: Tot	tal/N/
Analysis Batch: 395943													Prep Ba	atch: 3	9575
	Sample	San	nple	Spike		MSD	MSI)					%Rec.		RPI
Analyte	Result	Qua	alifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limi
Sodium	120000			2000		120000	4		ug/L		_	-148	75 - 125	2	20
Lab Sample ID: MB 680-39	5800/1-A									С	lie	ent Samp	ole ID: M	ethod	Blanl
Matrix: Water													Prep Ty	pe: Tot	tal/NA
Analysis Batch: 395943													Prep Ba	atch: 3	95800
		MB	MB												
Analyte	Re		Qualifier		RL	ı		Unit		D		repared	Analy		Dil Fa
Aluminum		24			200		24	ug/L		0	8/1	2/15 17:28	08/13/15	05:59	
Calcium		25	U		500		25	ug/L		0	8/1	2/15 17:28	08/13/15	05:59	
Iron		17	U		50		17	ug/L		0	8/1	2/15 17:28	08/13/15	05:59	•

Lab Sample ID: LCS 680-395800/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 395943 Prep Batch: 395800 Spike LCS LCS %Rec. Added **Analyte** Result Qualifier Unit D %Rec Limits 2000 85 - 115 Aluminum 2040 ug/L 102 Calcium 2000 2120 ug/L 106 85 - 115

500

1000

1000

33 ug/L

17 ug/L

480 ug/L

33 U

17 U

480 U

TestAmerica Savannah

1

1

08/12/15 17:28 08/13/15 05:59

08/12/15 17:28 08/13/15 05:59

08/12/15 17:28 08/13/15 05:59

Magnesium

Potassium

Sodium

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-395800/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 395943 Prep Batch: 395800 LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit D %Rec Limits 85 - 115 2000 2090 Iron ug/L 104 Magnesium 2000 2100 ug/L 105 85 - 115 2000 Potassium 2210 ug/L 85 - 115 111 Sodium 2000 2010 ug/L 100 85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-395745/1-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA Analysis Batch: 395956 Prep Batch: 395745

	MB	MB						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 15:04	08/13/15 00:23	1
Arsenic	0.37	U	1.0	0.37	ug/L		08/12/15 15:04	08/13/15 00:23	1
Barium	0.14	U	2.0	0.14	ug/L		08/12/15 15:04	08/13/15 00:23	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:04	08/13/15 00:23	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 15:04	08/13/15 00:23	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:04	08/13/15 00:23	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 15:04	08/13/15 00:23	1
Copper	0.50	U	1.0	0.50	ug/L		08/12/15 15:04	08/13/15 00:23	1
Lead	0.060	U	0.30	0.060	ug/L		08/12/15 15:04	08/13/15 00:23	1
Manganese	1.2	U	2.5	1.2	ug/L		08/12/15 15:04	08/13/15 00:23	1
Nickel	0.40	U	1.0	0.40	ug/L		08/12/15 15:04	08/13/15 00:23	1
Selenium	0.915	J	2.0	0.58	ug/L		08/12/15 15:04	08/13/15 00:23	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:04	08/13/15 00:23	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:04	08/13/15 00:23	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:04	08/13/15 00:23	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 15:04	08/13/15 00:23	1
Molybdenum	0.45	U	1.0	0.45	ug/L		08/12/15 15:04	08/13/15 00:23	1

Lab Sample ID: LCS 680-395745/2-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 395956 Prep Batch: 395745

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	20.0	21.8		ug/L		109	85 - 115	
Arsenic	40.0	40.4		ug/L		101	85 - 115	
Barium	40.0	39.8		ug/L		99	85 - 115	
Beryllium	20.0	20.8		ug/L		104	85 - 115	
Cadmium	20.0	20.4		ug/L		102	85 - 115	
Chromium	40.0	38.3		ug/L		96	85 - 115	
Cobalt	20.0	21.2		ug/L		106	85 _ 115	
Copper	40.0	40.6		ug/L		101	85 - 115	
Lead	200	191		ug/L		96	85 - 115	
Manganese	200	188		ug/L		94	85 - 115	
Nickel	40.0	41.2		ug/L		103	85 - 115	
Selenium	40.0	37.9		ug/L		95	85 - 115	
Silver	20.0	20.8		ug/L		104	85 - 115	

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-395745/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 395956 Prep Batch: 395745 LCS LCS Spike %Rec. Addad Pacult Qualifier Unit Limite

Analyte	Added	Resuit	Quanner Unit	U	%Rec	Limits	
Thallium	16.0	16.3	ug/L		102	85 - 115	
Vanadium	40.0	37.5	ug/L		94	85 - 115	
Zinc	40.0	40.0	ug/L		100	85 - 115	
Molybdenum	40.0	39.2	ug/L		98	85 - 115	

Lab Sample ID: MB 680-395749/1-A Client Sample ID: Method Blank Matrix: Water

Analysis Batch: 395962

Prep Type: Total/NA Prep Batch: 395749

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 10:29	1
Arsenic	0.37	U	1.0	0.37	ug/L		08/12/15 15:12	08/13/15 10:29	1
Barium	0.14	U	2.0	0.14	ug/L		08/12/15 15:12	08/13/15 10:29	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 15:12	08/13/15 10:29	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 15:12	08/13/15 10:29	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 15:12	08/13/15 10:29	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 15:12	08/13/15 10:29	1
Copper	0.50	U	1.0	0.50	ug/L		08/12/15 15:12	08/13/15 10:29	1
Lead	0.060	U	0.30	0.060	ug/L		08/12/15 15:12	08/13/15 10:29	1
Manganese	1.2	U	2.5	1.2	ug/L		08/12/15 15:12	08/13/15 10:29	1
Nickel	0.40	U	1.0	0.40	ug/L		08/12/15 15:12	08/13/15 10:29	1
Selenium	0.698	J	2.0	0.58	ug/L		08/12/15 15:12	08/13/15 10:29	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 15:12	08/13/15 10:29	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 15:12	08/13/15 10:29	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 15:12	08/13/15 10:29	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 15:12	08/13/15 10:29	1
Molybdenum	0.45	U	1.0	0.45	ug/L		08/12/15 15:12	08/13/15 10:29	1

Lab Sample ID: LCS 680-395749/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Ratch: 395962

Pren Batch: 395749

Analysis Batch: 395962	Spike	LCS	LCS				Preр Ба %Rec.	ICH: 395/49
Analyte	Added	Result	Qualifier	Unit	Đ	%Rec	Limits	
Antimony	20.0	22.3		ug/L		111	85 - 115	
Arsenic	40.0	40.9		ug/L		102	85 - 115	
Barium	40.0	40.4		ug/L		101	85 - 115	
Beryllium	20.0	20.4		ug/L		102	85 - 115	
Cadmium	20.0	20.9		ug/L		104	85 - 115	
Chromium	40.0	38.0		ug/L		95	85 - 115	
Cobalt	20.0	21.3		ug/L		107	85 - 115	
Copper	40.0	40.6		ug/L		101	85 - 115	
Lead	200	199		ug/L		100	85 - 115	
Manganese	200	189		ug/L		94	85 - 115	
Nickel	40.0	41.4		ug/L		104	85 - 115	
Selenium	40.0	38.4		ug/L		96	85 - 115	
Silver	20.0	21.0		ug/L		105	85 - 115	
Thallium	16.0	17.3		ug/L		108	85 - 115	
Vanadium	40.0	37.5		ug/L		94	85 - 115	
Zinc	40.0	40.3		ug/L		101	85 _ 115	

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-395749/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 395962 Prep Batch: 395749 LCS LCS Spike %Rec.

Added Result Qualifier Unit Analyte D %Rec Limits Molybdenum 40.0 39.6 99 85 - 115 ug/L

Lab Sample ID: 680-115490-2 MS Client Sample ID: GKMTW42_081115

Matrix: Water Prep Type: Total/NA Analysis Ratch: 395962

Analysis Batch: 395962	Sample	Sample	Spike	MS	MS				Prep Ba %Rec.	tch: 395749
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	0.40	U	20.0	23.2		ug/L		116	70 - 130	
Arsenic	8.5		40.0	50.0		ug/L		104	70 - 130	
Barium	35		40.0	73.6		ug/L		97	70 - 130	
Beryllium	0.15	U	20.0	21.2		ug/L		106	70 - 130	
Cadmium	0.043	U	20.0	20.3		ug/L		101	70 - 130	
Chromium	1.0	U	40.0	37.4		ug/L		93	70 - 130	
Cobalt	0.12	U	20.0	20.6		ug/L		103	70 - 130	
Copper	6.8		40.0	45.7		ug/L		97	70 - 130	
Lead	0.22	J	200	195		ug/L		97	70 - 130	
Manganese	1.8	J	200	185		ug/L		92	70 - 130	
Nickel	0.43	J	40.0	40.1		ug/L		99	70 - 130	
Selenium	1.0	JB	40.0	40.1		ug/L		98	70 - 130	
Silver	0.10	U	20.0	20.1		ug/L		101	70 - 130	
Thallium	0.10	U	16.0	16.8		ug/L		105	70 - 130	
Vanadium	8.1		40.0	45.1		ug/L		93	70 - 130	
Zinc	3.0	J	40.0	42.7		ug/L		99	70 - 130	
Molybdenum	19		40.0	58.6		ug/L		100	70 - 130	

Lab Sample ID: 680-115490-2 MSD Client Sample ID: GKMTW42_081115

Matrix: Water Prep Type: Total/NA

Prep Batch: 395749 Analysis Batch: 395962 Sample Sample MSD MSD

	Sample	Sample	Spike	เผอบ	M2D				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.40	U	20.0	22.9		ug/L		115	70 - 130	1	20
Arsenic	8.5		40.0	50.3		ug/L		105	70 - 130	1	20
Barium	35		40.0	73.8		ug/L		98	70 - 130	0	20
Beryllium	0.15	U	20.0	20.8		ug/Ĺ		104	70 - 130	2	20
Cadmium	0.043	U	20.0	20.1		ug/L		101	70 - 130	1	20
Chromium	1.0	U	40.0	37.1		ug/L		93	70 - 130	1	20
Cobalt	0.12	U	20.0	20.4		ug/L		102	70 - 130	1	20
Copper	6.8		40.0	45.7		ug/L		97	70 - 130	0	20
Lead	0.22	J	200	191		ug/L		95	70 - 130	2	20
Manganese	1.8	J	200	184		ug/L		91	70 - 130	0	20
Nickel	0.43	J	40.0	39.3		ug/L		97	70 - 130	2	20
Selenium	1.0	JB	40.0	41.0		ug/L		100	70 - 130	2	20
Silver	0.10	U	20.0	20.0		ug/L		100	70 - 130	1	20
Thallium	0.10	U	16.0	16.4		ug/L		102	70 - 130	2	20
Vanadium	8.1		40.0	44.9		ug/L		92	70 - 130	0	20
Zinc	3.0	J	40.0	42.5		ug/L		99	70 - 130	Ō	20
Molybdenum	19		40.0	58.8		ug/L		100	70 - 130	0	20

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 8

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-395798/1-A

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 395956 Prep Batch: 395798

Milalysis Batcii. 555556		MB						ricp baton.	000100
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		08/12/15 17:28	08/13/15 08:48	1
Arsenic	0.37	U	1.0	0.37	ug/L		08/12/15 17:28	08/13/15 08:48	1
Barium	0.14	U	2.0	0.14	ug/L		08/12/15 17:28	08/13/15 08:48	1
Beryllium	0.15	U	0.40	0.15	ug/L		08/12/15 17:28	08/13/15 08:48	1
Cadmium	0.043	U	0.10	0.043	ug/L		08/12/15 17:28	08/13/15 08:48	1
Chromium	1.0	U	2.0	1.0	ug/L		08/12/15 17:28	08/13/15 08:48	1
Cobalt	0.12	U	0.40	0.12	ug/L		08/12/15 17:28	08/13/15 08:48	1
Copper	0.50	U	1.0	0.50	ug/L		08/12/15 17:28	08/13/15 08:48	1
Lead	0.060	U	0.30	0.060	ug/L		08/12/15 17:28	08/13/15 08:48	1
Manganese	1.2	U	2.5	1.2	ug/L		08/12/15 17:28	08/13/15 08:48	1
Nickel	0.40	U	1.0	0.40	ug/L		08/12/15 17:28	08/13/15 08:48	1
Selenium	1.25	J	2.0	0.58	ug/L		08/12/15 17:28	08/13/15 08:48	1
Silver	0.10	U	1.0	0.10	ug/L		08/12/15 17:28	08/13/15 08:48	1
Thallium	0.10	U	0.20	0.10	ug/L		08/12/15 17:28	08/13/15 08:48	1
Vanadium	0.30	U	1.0	0.30	ug/L		08/12/15 17:28	08/13/15 08:48	1
Zinc	2.8	U	20	2.8	ug/L		08/12/15 17:28	08/13/15 08:48	1
Molybdenum	0.45	U	1.0	0.45	ug/L		08/12/15 17:28	08/13/15 08:48	1

Lab Sample ID: LCS 680-395798/2-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 395956 Prep Batch: 395798

,	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	20.0	22.6		ug/L		113	85 - 115	
Arsenic	40.0	42.4		ug/L		106	85 - 115	
Barium	40.0	42.2		ug/L		106	85 - 115	
Beryllium	20.0	21.1		ug/L		106	85 - 115	
Cadmium	20.0	20.1		ug/L		100	85 - 115	
Chromium	40.0	40.3		ug/L		101	85 - 115	
Cobalt	20.0	22.0		ug/L		110	85 _ 115	
Copper	40.0	42.5		ug/L		106	85 - 115	
Lead	200	193		ug/L		97	85 - 115	
Manganese	200	195		ug/L		97	85 _ 115	
Nickel	40.0	43.0		ug/L		108	85 _ 115	
Selenium	40.0	41.1		ug/L		103	85 - 115	
Silver	20.0	21.6		ug/L		108	85 - 115	
Thallium	16.0	16.8		ug/L		105	85 - 115	
Vanadium	40.0	39.1		ug/L		98	85 _ 115	
Zinc	40.0	40.9		ug/L		102	85 - 115	
Molybdenum	40.0	41.0		ug/L		103	85 - 115	

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Lab Sample ID: MB 680-395950/55									Client Sam	ple ID: Method	
Matrix: Water										Prep Type: T	otai/N <i>F</i>
Analysis Batch: 395950	MR	мв									
Analyte		Qualifier		RL	R	L Un	it	D	Prepared	Analyzed	Dil Fa
Total Hardness	3.3	•		3.3		$\frac{2}{3}$ mg			Tropurou	08/13/15 12:13	
Lab Sample ID: MB 680-395953/1									Client Same	ple ID: Metho	d Blani
Matrix: Water									Onem Cam	Prep Type: T	
Analysis Batch: 395953										. тор турс. т	O
Thing of Documents	МВ	MB									
Analyte	Result	Qualifier		RL	R	L Un	it	D	Prepared	Analyzed	Dil Fa
Total Hardness	3.3	U		3.3	3.	3 mg	/L			08/13/15 12:18	
lethod: 245.1 - Mercury (CVA	A)										
Lab Sample ID: MB 680-395807/1-A	1								Client Sam	ple ID: Metho	
Matrix: Water										Prep Type: T	
Analysis Batch: 395972										Prep Batch:	39580
		MB						_			
Analyte		Qualifier		RL		L Un		D	Prepared	Analyzed 08/13/15 11:34	Dil Fa
Mercury	0.080	U		0.20	0.08	0 ug/	L		08/12/15 18:16	08/13/15 11:34	
Lab Sample ID: LCS 680-395807/2- Matrix: Water	Α						С	lien [.]	t Sample ID:	Lab Control 3 Prep Type: T	
Analysis Batch: 395972										Prep Batch:	
			Spike		LCS L	cs				%Rec.	
Analyte			Added		Result Q	ualifie	r Unit		D %Rec	Limits	
Mercury			2.50		2.47		ug/L		99	85 _ 115	_
Lab Sample ID: MB 680-395813/1- <i>A</i>	1								Client Sam	ple ID: Method	d Blani
Matrix: Water										Prep Type: T	otal/N/
Analysis Batch: 395958										Prep Batch:	39581
-	MB	MB									
Analyte		Qualifier		RL	MD	L Un	it	D	Prepared	Analyzed	Dil Fa
Mercury	0.080	U		0.20	0.08	0 ug/	L		08/12/15 18:23	08/13/15 08:35	-
								lion.	t Comple ID:	Lab Cambral	Camanla
	Α						C	lieli	t Sample ID.	Lab Control	oampi
	Α						C	iieii	t Sample ID.	Prep Type: T	
Lab Sample ID: LCS 680-395813/2- Matrix: Water Analysis Batch: 395958	Α						C	ileii	t Sample ID.	Prep Type: Tep Batch:	otal/NA
Matrix: Water	Α		Spike		LCS L	cs		ileli	t Sample ID.	Prep Type: T	otal/NA

2.50

2.57

ug/L

TestAmerica Savannah

103 85 - 115

Mercury

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Metals					
Prep Batch: 395745					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
680-115490-3	GKMTW43_081115	Total/NA	Water	200	
680-115490-5	GKMTW45_081115	Total/NA	Water	200	
LCS 680-395745/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395745/1-A	Method Blank	Total/NA	Water	200	
Prep Batch: 395747					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-3	GKMTW43_081115	Total/NA	Water	200	
680-115490-5	GKMTW45_081115	Total/NA	Water	200	
LCS 680-395747/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395747/1-A	Method Blank	Total/NA	Water	200	
Prep Batch: 395749					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	200	
680-115490-2	GKMTW42_081115	Total/NA	Water	200	
680-115490-2 MS	GKMTW42_081115	Total/NA	Water	200	
680-115490-2 MSD	GKMTW42_081115	Total/NA	Water	200	
680-115490-4	GKMTW44_081115	Total/NA	Water	200	
680-115490-7	GKMTW101_081115	Total/NA	Water	200	
680-115490-8	GKMTW102_081115	Total/NA	Water	200	
LCS 680-395749/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395749/1-A	Method Blank	Total/NA	Water	200	
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	200	
680-115490-2	GKMTW42_081115	Total/NA	Water	200	
680-115490-2 MS	GKMTW42_081115	Total/NA	Water	200	
680-115490-2 MSD	GKMTW42_081115	Total/NA	Water	200	
680-115490-4	GKMTW44_081115	Total/NA	Water	200	
680-115490-7	GKMTW101_081115	Total/NA	Water	200	
680-115490-8	GKMTW102_081115	Total/NA	Water	200	
LCS 680-395752/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395752/1-A	Method Blank	Total/NA	Water	200	
Prep Batch: 395798					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-6	GKMTW100_081115	Total/NA	Water	200	
LCS 680-395798/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395798/1-A	Method Blank	Total/NA	Water	200	
Prep Batch: 395800					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-6	GKMTW100_081115	Total/NA	Water	200	
LCS 680-395800/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-395800/1-A	Method Blank	Total/NA	Water	200	
Prep Batch: 395807					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-3	GKMTW43_081115	Total/NA	Water	245.1	

QC Association Summary

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 8

Tojectone. Cold King Mille - Keglon C

Metals	(Continu	ed)
---------------	----------	-----

Prep	Batch:	395807	(Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-5	GKMTW45_081115	Total/NA	Water	245.1	
LCS 680-395807/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-395807/1-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 395813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	245.1	
680-115490-2	GKMTW42_081115	Total/NA	Water	245.1	
680-115490-4	GKMTW44_081115	Total/NA	Water	245.1	
680-115490-6	GKMTW100_081115	Total/NA	Water	245.1	
680-115490-7	GKMTW101_081115	Total/NA	Water	245.1	
680-115490-8	GKMTW102_081115	Total/NA	Water	245.1	
LCS 680-395813/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-395813/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 395943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2 MS	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2 MS	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2 MSD	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-2 MSD	GKMTW42_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-3	GKMTW43_081115	Total/NA	Water	200.7 Rev 4.4	395747
680-115490-3	GKMTW43_081115	Total/NA	Water	200.7 Rev 4.4	395747
680-115490-4	GKMTW44_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-4	GKMTW44_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-5	GKMTW45_081115	Total/NA	Water	200.7 Rev 4.4	395747
680-115490-6	GKMTW100_081115	Total/NA	Water	200.7 Rev 4.4	395800
680-115490-6	GKMTW100_081115	Total/NA	Water	200.7 Rev 4.4	395800
680-115490-7	GKMTW101_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-7	GKMTW101_081115	Total/NA	Water	200.7 Rev 4.4	395752
680-115490-8	GKMTW102_081115	Total/NA	Water	200.7 Rev 4.4	395752
LCS 680-395747/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395747
LCS 680-395752/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395752
LCS 680-395800/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	395800
MB 680-395747/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395747
MB 680-395752/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395752
MB 680-395800/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	395800

Analysis Batch: 395950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-6	GKMTW100_081115	Total/NA	Water	2340B-2011	
MB 680-395950/55	Method Blank	Total/NA	Water	2340B-2011	

Analysis Batch: 395953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	2340B-2011	
680-115490-2	GKMTW42_081115	Total/NA	Water	2340B-2011	
680-115490-3	GKMTW43_081115	Total/NA	Water	2340B-2011	

TestAmerica Savannah

TestAmerica Job ID: 680-115490-1

QC Association Summary

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 8 TestAmerica Job ID: 680-115490-1

Metals (Co	ontinued)
------------	-----------

Analysis	Batch:	395953	(Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-4	GKMTW44_081115	Total/NA	Water	2340B-2011	
680-115490-5	GKMTW45_081115	Total/NA	Water	2340B-2011	
680-115490-7	GKMTW101_081115	Total/NA	Water	2340B-2011	
680-115490-8	GKMTW102_081115	Total/NA	Water	2340B-2011	
MB 680-395953/1	Method Blank	Total/NA	Water	2340B-2011	

Analysis Batch: 395956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-3	GKMTW43_081115	Total/NA	Water	200.8	395745
680-115490-5	GKMTW45_081115	Total/NA	Water	200.8	395745
680-115490-6	GKMTW100_081115	Total/NA	Water	200.8	395798
LCS 680-395745/2-A	Lab Control Sample	Total/NA	Water	200.8	395745
LCS 680-395798/2-A	Lab Control Sample	Total/NA	Water	200.8	395798
MB 680-395745/1-A	Method Blank	Total/NA	Water	200.8	395745
MB 680-395798/1-A	Method Blank	Total/NA	Water	200.8	395798

Analysis Batch: 395958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	245.1	395813
680-115490-2	GKMTW42_081115	Total/NA	Water	245.1	395813
680-115490-4	GKMTW44_081115	Total/NA	Water	245.1	395813
680-115490-6	GKMTW100_081115	Total/NA	Water	245.1	395813
680-115490-7	GKMTW101_081115	Total/NA	Water	245.1	395813
680-115490-8	GKMTW102_081115	Total/NA	Water	245.1	395813
LCS 680-395813/2-A	Lab Control Sample	Total/NA	Water	245.1	395813
MB 680-395813/1-A	Method Blank	Total/NA	Water	245.1	395813

Analysis Batch: 395962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-1	GKMTW41_081115	Total/NA	Water	200.8	395749
680-115490-2	GKMTW42_081115	Total/NA	Water	200.8	395749
680-115490-2 MS	GKMTW42_081115	Total/NA	Water	200.8	395749
680-115490-2 MSD	GKMTW42_081115	Total/NA	Water	200.8	395749
680-115490-4	GKMTW44_081115	Total/NA	Water	200.8	395749
680-115490-7	GKMTW101_081115	Total/NA	Water	200.8	395749
680-115490-8	GKMTW102_081115	Total/NA	Water	200.8	395749
LCS 680-395749/2-A	Lab Control Sample	Total/NA	Water	200.8	395749
MB 680-395749/1-A	Method Blank	Total/NA	Water	200.8	395749

Analysis Batch: 395972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115490-3	GKMTW43_081115	Total/NA	Water	245.1	395807
680-115490-5	GKMTW45_081115	Total/NA	Water	245.1	395807
LCS 680-395807/2-A	Lab Control Sample	Total/NA	Water	245.1	395807
MB 680-395807/1-A	Method Blank	Total/NA	Water	245.1	395807

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Lab Sample ID: 680-115490-1

. Matrix: Water

Client Sample ID: GKMTW41_081115

Date Collected: 08/11/15 09:40 Date Received: 08/12/15 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 09:31	ВСВ	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395749	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395962	08/13/15 12:38	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:19	ВСВ	TAL SAV

Client Sample ID: GKMTW42_081115

Date Collected: 08/11/15 10:45 Date Received: 08/12/15 09:46 Lab Sample ID: 680-115490-2 Matrix: Water

•••	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 08:46	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		10	50 mL	50 mL	395943	08/13/15 11:06	ВСВ	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395749	08/12/15 15:12	ВЈВ	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395962	08/13/15 10:58	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:00	BCB	TAL SAV

Client Sample ID: GKMTW43_081115

Date Collected: 08/11/15 11:35 Date Received: 08/12/15 09:46 Lab Sample ID: 680-115490-3

Matrix: Water

Prep Type Total/NA Total/NA	Batch Type Prep Analysis Instrume	Batch Method 200 200.7 Rev 4.4 nt ID: ICPF	Run	Dil Factor	Initial Amount 50 mL 50 mL	Final Amount 50 mL 50 mL	Batch Number 395747 395943	Prepared or Analyzed - 08/12/15 15:04 08/13/15 05:50		Lab TAL SAV TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395747	08/12/15 15:04	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		10	50 mL	50 mL	395943	08/13/15 10:43	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395745	08/12/15 15:04	BJB	TAL SAV

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Matrix: Water

Client Sample ID: GKMTW43_081115

Date Collected: 08/11/15 11:35

Lab Sample ID: 680-115490-3

Matrix: Water

Date Collected: 08/11/15 11:35
Date Received: 08/12/15 09:46

Prep Type Total/NA	Batch Type Analysis Instrume	Batch Method 200.8 nt ID: ICPMSC	Run	Factor 1	Initial Amount 50 mL	Final Amount 50 mL	Batch Number 395956	Prepared or Analyzed 08/13/15 02:29	Analyst BWR	Lab TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395807	08/12/15 18:16	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395972	08/13/15 13:00	ВСВ	TAL SAV

Client Sample ID: GKMTW44_081115 Lab Sample ID: 680-115490-4

Date Collected: 08/11/15 12:30 Date Received: 08/12/15 09:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 09:22	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		10	50 mL	50 mL	395943	08/13/15 11:29	ВСВ	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395749	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395962	08/13/15 11:29	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:13	BCB	TAL SAV

Client Sample ID: GKMTW45_081115 Lab Sample ID: 680-115490-5

Date Collected: 08/11/15 12:40 Matrix: Water Date Received: 08/12/15 09:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395747	08/12/15 15:04	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 05:55	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395745	08/12/15 15:04	BJB	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395956	08/13/15 02:32	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395807	08/12/15 18:16	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395972	08/13/15 13:03	ВСВ	TAL SAV

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Date Collected: 08/11/15 09:15 Matrix: Water Date Received: 08/12/15 09:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395800	08/12/15 17:44	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 08:28	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395800	08/12/15 17:44	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		10	50 mL	50 mL	395943	08/13/15 10:54	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395798	08/12/15 17:45	ВЈВ	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395956	08/13/15 10:09	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395950	08/13/15 12:13	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:41	ВСВ	TAL SAV

Date Collected: 08/11/15 09:55 Eas Sample 15: 666 116466 i

Date Received: 08/12/15 09:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		1	50 mL	50 mL	395943	08/13/15 09:00	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395752	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.7 Rev 4.4 nt ID: ICPF		10	50 mL	50 mL	395943	08/13/15 11:18	BCB	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395749	08/12/15 15:12	BJB	TAL SAV
Total/NA	Analysis Instrume	200.8 nt ID: ICPMSC		1	50 mL	50 mL	395962	08/13/15 11:25	BWR	TAL SAV
Total/NA	Analysis Instrume	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18	ВСВ	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:03	BCB	TAL SAV

Date Collected: 08/11/15 11:05 Date Received: 08/12/15 09:46

Prep Type Total/NA Total/NA	Batch Type Prep Analysis Instrume	Batch Method 200 200.7 Rev 4.4 ent ID: ICPF	Run	Dil Factor	Initial Amount 50 mL 50 mL	Final Amount 50 mL 50 mL	Batch Number 395752 395943	Prepared or Analyzed 08/12/15 15:12 08/13/15 09:27	Analyst BJB BCB	Lab TAL SAV TAL SAV
Total/NA	Prep	200			50 mL	50 mL	395749	08/12/15 15:12	BJB	TAL SAV

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Date Collected: 08/11/15 11:05

Date Received: 08/12/15 09:46

Matrix: Water

Prep Type Total/NA		Batch Method 200.8 nt ID: ICPMSC	Run	Factor 1	Initial Amount 50 mL	Final Amount 50 mL	Batch Number 395962	Prepared or Analyzed 08/13/15 12:33	Analyst BWR	Lab TAL SAV
Total/NA	Analysis	2340B-2011 nt ID: ICPF		1			395953	08/13/15 12:18		TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	395813	08/12/15 18:23	CRW	TAL SAV
Total/NA	Analysis Instrume	245.1 nt ID: LEEMAN2		1	50 mL	50 mL	395958	08/13/15 09:16	ВСВ	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

		icc	
10.57			ž

5102 LaRoche Avenue

THE LEADER IN ENVIRONMENTAL ' ESTING Savannah, GA 31404-6019 Regulatory Program: Dw DNPDES phone 912.354.7858 fax 912 352.0165 RCRA Other: TestAmerica Laboratories, Inc. Project Manager: Scott Butterfield COC No: 1 Date: 8/11/2015 **Client Contact** Site Contact: Jamie Miller Tel/Fax: (303) 729-6113 COCs Weston Solutions, Inc. Lab Contact: Carrier: FedEx **Analysis Turnaround Time** Sampler: Various 1435 Garrison St. Suite 100 CALENDAR DAYS WORKING DAYS For Lab Use Only: Lakewood, CO 80215 Walk-in Client (303) 729-6100 Phone TAT if different from Below (303) 729-6101 FAX Lab Sampling: 2 weeks erable Matals + Hg / He Project Name: EPA START 1 week Site Gold King Mine 2 days Job / SDG No.: PO# TBD **9** 1 day Sample Type Sample Sample Matrix Date Time Cont Sample Specific Notes: Sample Identification G=Grab) 8/11/2015 GKMTW41_081115 9:40 G 8/11/2015 GKMTW42_081115 10:45 G 8/11/2015 G W 11:35, GKMTW43 081115. 8/11/2015 1230 G W GKMTW44_081115 GKMTW45_081115 8/11/2015 12.40 G GKMTW100_081115 8/11/2015 09:15 G 8/11/2015 09:55 G GKMTW101_081115 8/11/2015 11:05 G GKMTW102_081115 Preservation Osed: 1= ice, 2= HCL; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. Skin Initant Poison B Unknown Archive for THammable Return to Client Disposal by Lab Special Instructions/QC Requirements & Comments: Scribe compatible EDD Therm ID No. Cooler Temp. (°C): Doge Corr'd: **Custody Seals Intact** Yes No Custody Seal No: Date/Time: Cemper Company: Westor Solutions, Relinquished by: Date/Time: Received by: Company: Company: Received in Laboratory by: Date/Time: Date/Time: Company Relinquished by: Company:

ED_000552C_00025566-00028

ဖြင့် ထ

41-

o)

5

53 T

Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015

٠ -

 \parallel

) [‡] =>

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-115490-1

Login Number: 115490 List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth A

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Savannah

014010045

Certification Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8

TestAmerica Job ID: 680-115490-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-15
New Mexico	State Program	6	N/A	06-30-16